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## SECTION HEADING

### DEN 1100: Oral Radiology I

#### Description

Oral Radiology I introduces the student to fundamental principles of dental radiography. An emphasis is placed on x-ray production, radiation safety, exposure techniques, and evaluation of radiographs. Application of principles and techniques will be performed on lab manikins.

#### Credits

3

#### Prerequisite

ENGL 0090 or placement by multiple measures. DEN 1110 may be taken concurrently

#### Topics to be Covered

1. Radiation Physics
2. Radiation Characteristics
3. Radiation Biology
4. Radiation Protection
5. X-ray Equipment
6. X-ray Image Characteristics
7. Radiographer Basics
8. Radiographic Exams
9. Paralleling and Bisecting Techniques
10. Bitewing Technique
11. Exposure and Technique Errors
12. Film Mounting/Anatomic Order
13. Normal Anatomical Structures

#### Learning Outcomes

1. Describe basic theory of dental radiography physics, characteristics, and biology.
2. Demonstrate radiation protection.
3. Identify exposure and technique errors.
4. Demonstrate correct intra-oral radiographic techniques.

#### Credit Details

Lecture: 2

Lab: 1

OJT: 0